Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/11/2016 09:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124473	-1	2.86	124314	2.87
Blue	F	SSC	125000	123291	-2	5.13	124369	5.11
Blue	E	FITC	17316	16551	-5	3.81	934	9.33
Blue	D	PE	22501	21682	-4	3.47	974	8.56
Blue	B	PerCP-Cy5-5	67647	66056	-3	3.99	1735	13.30
Blue	A	PE-Cy7	80682	80089	-1	4.86	1055	25.35
Red	C	APC	64263	63305	-2	2.66	3564	8.18
Red	A	APC-Cy7	96129	93798	-3	2.74	1860	8.06
Violet	B	V450	11714	11157	-5	3.54	697	8.05
Violet	A	V500	48394	46890	-4	3.13	2656	5.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19588	3.83	591	2	N/A	N/A	Pass
Blue	F	SSC	61417	4.12	511	-3	N/A	N/A	Pass
Blue	E	FITC	100	36.58	516	-4	0.0259	180	Pass
Blue	D	PE	201	25.03	511	-3	0.1779	155	Pass
Blue	B	PerCP-Cy5-5	211	39.35	605	-2	0.0115	10	Pass
Blue	A	PE-Cy7	78	98.84	662	-1	0.0144	7	Pass
Red	C	APC	335	26.64	583	-2	0.0211	32	Pass
Red	A	APC-Cy7	118	38.49	562	-3	0.0047	815	Pass
Violet	B	V450	74	40.73	454	-2	0.0463	1732	Pass
Violet	A	V500	173	22.48	486	-1	0.0130	145	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/11/2016 09:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.36	-31.16	0.82
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	16.69	13.28 - 19.92	N/A	N/A	31.58	31.90	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10605

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments